

MICROCODE REVISION GUIDANCE

APRIL 2 2018

MCU RECOMMENDATIONS

The following table provides details of availability for microcode updates currently planned by Intel. Changes since the previous version are highlighted in yellow.

LEGEND:

Production Status:

- Planning – Intel has not yet determined a schedule for this MCU.
- Pre-beta – Intel is performing early validation for this MCU.
- Beta – Intel has released this production signed MCU under NDA for all customers to validate.
- Production – Intel has completed all validation and is authorizing customers to use this MCU in a production environment.
- Stopped – After a comprehensive investigation of the microarchitectures and microcode capabilities for these products, Intel has determined to not release microcode updates for these products for one or more reasons including, but not limited to the following:
 - Micro-architectural characteristics that preclude a practical implementation of features mitigating Variant 2 (CVE-2017-5715)
 - Limited Commercially Available System Software support
 - Based on customer inputs, most of these products are implemented as “closed systems” and therefore are expected to have a lower likelihood of exposure to these vulnerabilities.

Pre-Mitigation Production MCU:

- For products that do not have a Production MCU with mitigations for Variant 2 (Spectre), Intel recommends using this version of MCU. This does not impact mitigations for Variant 1 (Spectre) and Variant 3 (Meltdown).

STOP deploying these MCU revs:

- Intel recommends to discontinue using these select versions of MCU that were previously released with mitigations for Variant 2 (Spectre) due to system stability issues.
- Lines with “***” were previously recommended to discontinue use. Subsequent testing by Intel has determined that these were unaffected by the stability issues and have been re-released without modification.

MICROCODE UPDATE GUIDANCE

Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Anniedale > Moorefield	Intel® Atom® Processor Z3530, Z3560, Z3570, Z3580, Z3590	506A0	01	Production	---	---	00000039
Apollo Lake D0	Intel® Pentium® Processor J4205, N4200 Intel® Celeron® Processor J3355, J3455, N3350, N3450 Intel® Atom® Processor x5-E3930, x5-E3940, x7-E3950	506C9	03	Production	---	---	0000002E
Apollo Lake E0	Intel® Atom® Processor x5-E3930, x5-E3940, x7-E3950	506CA	03	Production	---	---	00000008
Arrandale	Intel® Core™ Processor i7-i7-620M/LM/UM, i7-640LM/UM Intel® Core™ Processor i5-430M, i5-520M/UM, i5-540M Intel® Core™ Processor 330M, 350M Intel® Celeron® Processor P4500, P4505	20652	12	Production	---	---	0x10
Arrandale	Intel® Core™ Processor i7-610E, 620LE/LM/M/UE/UM, 640LM/M/UM, 660LM/UE/UM, 680UM Intel® Core™ Processor i5-430M/UM, 450M, 460M, 470UM, 480M, 520E/M/UM, 540M/UM, 560M/UM, 580M Intel® Core™ Processor i3-330E/M/UM, 350M, 370M, 380M/UM, 390M Intel® Pentium® Processor P6000, P6100, P6200, P6300 Intel® Pentium® Processor U5400, U5600 Intel® Celeron® Processor P4500, P4505, P4600 Intel® Celeron® Processor U3400, U3405, U3600	20655	92	Production	---	---	0x6
Avoton/Rangeley	Intel® Atom® Processor C2000 Product Family	406D8	01	Production	---	---	0000012A

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Bloomfield	Intel® Core™ Processor Extreme Edition i7-975 Intel® Core™ Processor i7-920, 930, 950, 960	106A4	03	Stopped	0x13	---	---
Bloomfield	Intel® Core™ Processor Extreme Edition i7-965 Intel® Core™ Processor i7-920, 940	106A5	03	Stopped	0x1B	---	---
Bloomfield Xeon	Intel® Xeon® Processor W3520, W3530, W3540, W3550, W3565, W3570, W3580	106A5	03	Stopped	0x1B	---	---
Broadwell DE A1	Intel® Xeon® Processor D-1513N, D-1523N, D-1533N, D-1543N, D1553N	50665	10	Production	---	---	0xE000009
Broadwell DE V1	Intel® Xeon® Processor D-1520, D-1540	50662	10	Production	---	---	0x15
Broadwell DE V2,V3	Intel® Xeon® Processor D-1518, D-1519, D-1521, D-1527, D-1528, D-1531, D-1533, D-1537, D-1541, D-1548 Intel® Pentium® Processor D1507, D1508, D1509, D1517, D1519	50663	10	Production	---	---	0x7000012
Broadwell DE Y0	Intel® Xeon® Processor D-1557, D-1559, D-1567, D-1571, D-1577, D-1581, D-1587	50664	10	Production	---	---	0xF000011
Broadwell E	Intel® Core™ Processor Extreme Edition i7-6950K Intel® Core™ Processor i7-6800K, i7-6850, i7-6900K	406F1	EF	Production	---	---	0xB00002A

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Broadwell H 43e	Intel® Core™ Processor i7-5950HQ, i7-5850HQ, i7-5750HQ, i7-5700HQ Intel® Core™ Processor i5-5575R, i5-5675C, i5-5675R, i7-5775C, i7-5775R Intel® Core™ Processor i7-5700EQ, i7-5850EQ	40671	22	Production	---	---	0x1D
Broadwell Server E, EP, EP4S	Intel® Xeon® Processor E5-2603V4, E5-2609V4, E5-2620V4, E5-2623V4, E5-2630LV4, E5-2630V4, E5-2637V4, E5-2640V4, E5-2643V4, E5-2650LV4, E5-2650V4, E5-2660V4, E5-2667V4, E5-2679V4, E5-2680V4, E5-2683V4, E5-2690V4, E5-2695V4, E5-2697AV4, E5-2697V4, E5-2698V4, E5-2699AV4, E5-2699V4 Intel® Xeon® Processor E5-2608LV4, E5-2618LV4, E5-2628LV4, E5-2648LV4, E5-2658V4, E5-2699RV4, E5-4628LV4	406F1	EF	Production	---	---	0xB00002A
Broadwell Server EX	Intel® Xeon® Processor E7-4809V4, E7-4820V4, E7-4830V4, E7-4850V4, E7-8855V4, E7-8860V4, E7-8867V4, E7-8870V4, E7-8880V4, E7-8890V4, E7-8891V4, E7-8893V4, E7-8894V4	406F1	EF	Production	---	---	0xB00002A

MICROCODE UPDATE GUIDANCE

Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Broadwell U/Y	Intel® Core™ Processor i7-5650U, i7-5600U, i7-5557U, i7-5550U, i7-5500U Intel® Core™ Processor i5-5350U, i5-5350, i5-5300U, i5-5287U, i5-5257U, i5-5250U, i5-5200U Intel® Core™ Processor i3-5157U, i3-5020U, i3-5015U, i3-5010U, i3-5006U, i3-5005U, i3-5010U, i5-5350U, i7-5650U Intel® Core™ Processor M-5Y71, M-5Y70, M-5Y51, M-5Y3, M-5Y10c, M-5Y10a, M-5Y10 Intel® Pentium® Processor 3805U, 3825U, 3765U, 3755U, 3215U, 3205U Intel® Celeron® 3765U	306D4	C0	Production	---	---	0x2A
Broadwell Xeon E3	Intel® Xeon® Processor v4 E3-1258L, E3-1265L, E3-1278L, E3-1285, E3-1285	40671	22	Production	---	---	0x1D
Broxton	Intel® Atom® Scalable Platform	506C2	01	Production	---	---	00000010
Cherry View (Cherry Trail, Braswell)	Intel® Atom® x5-Zxxx CPU	406C3	01	Production	---	---	00000367
Cherry View (Cherry Trail, Braswell)	Intel® Celeron® Processor Jxxxx, Intel® Celeron® Processor N3xxx, Intel® Pentium® Processor J3xxx, Intel® Pentium® Processor N3xxx, Intel® Atom® x5-E8000 Processor	406C4	01	Production	---	---	00000410

MICROCODE UPDATE GUIDANCE

Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Clarkdale	Intel® Core™ Processor i5-650, 660, 661, 670 Intel® Core™ Processor i3-530, 540, 550, 560 Intel® Pentium® Processor G6950	20652	12	Production	---	---	0x10
Clarkdale	Intel® Core™ Processor i5-650, 655K, 660, 661, 670, 680 Intel® Core™ Processor i3-530, 540 Intel® Pentium® Processor G6950, G6951, G6960	20655	92	Production	---	---	0x6
Clarkdale Xeon	Intel® Xeon® Processor L3406	20652	12	Production	---	---	0x10
Clarksfield	Intel® Core™ Extreme Processor i7-920XM, 940XM Intel® Core™ Processor i7-720QM, 740QM, 820QM, 840QM	106E5	13	Stopped	0x08	---	---
Coffee Lake H (6+2), Coffee Lake S (6+2)	8th Generation Intel® Core™ Processor Family	906EA	22	Production	---	---	0x84
Coffee Lake S (6+2) Xeon E	8th Generation Intel® Core™ Processor Family	906EA	22	Production Candidate	---	---	0x84
Coffee Lake U43e	8th Generation Intel® Core™ Processor Family	806EA	C0	Production Candidate	---	---	0x84
Coffee Lake-S (4+2)	8th Generation Intel® Core™ Desktop Processor Family	906EB	02	Production	---	---	0x84
Coffee Lake-S (4+2) Xeon E	8th Generation Intel® Core™ Processor Family	906EA	22	Production	---	---	0x84
Coffee Lake-S (6+2) x/KBP	8th Generation Intel® Core™ Processor Family	906EA	22	Production	---	---	0x84

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Cougar Mountain (AMT)	Intel® Puma™ 7 Home Gateway	606E1	01	Production	---	---	0x106
Denverton (GLM)	Intel® Atom® Processor C3000 Product Family	506F1	01	Production	---	---	00000020
Gemini Lake	Intel® Pentium® Silver processors N5xxx, J5xxx, Intel® Celeron® processors N4xxx, J4xxx	706A1	01	Production	---	---	00000022
Gladden	Intel® Core™ Processor i3-2115C, i3-3115C Intel® Pentium® Processor B915C, B925C Intel® Celeron® Processor 725C Intel® Xeon® Processor E3-1105C, E3-1125C, E3-1105C v2, E3-1125C v2	306A9	---	Production	---	---	0x1F
Gulftown	Intel® Core™ i7-970, 980 Intel® Core™ Processor Extreme Edition i7-980X, 990X Intel® Xeon® Processor W3690	206C2	03	Stopped	0x1E	---	---
Harpertown Xeon CO	Intel® Xeon® Processor L5408, L5410, L5420 Intel® Xeon® Processor E5405, E5410, E5420, E5430, E5440, E5450, E5462, E5472 Intel® Xeon® Processor X5450, X5460, X5470, X5472, X5482	10676	40	Stopped	0x612	---	---
Harpertown Xeon EO	Intel® Xeon® Processor L5408, L5410, L5420, L5430 Intel® Xeon® Processor E5405, E5410, E5420, E5430, E5440, E5450, E5462, E5472 Intel® Xeon® Processor X5450, X5460, X5470, X5492	1067A	44	Stopped	0xA0E	---	---

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Haswell (including H, S)	4th Generation Intel® Core™ Mobile Processor Family, Intel® Pentium® Mobile Processor Family, Intel® Celeron® Mobile Processor Family	306C3	32	Production	---	---	0x24
Haswell Perf Halo	Intel® Core™ Extreme Processor (5960x, 5930x, 5820x)	40661	32	Production	---	---	0x19
Haswell Server E, EP, EP4S	Intel® Xeon® Processor v3 E5-1428L, E5-1603, E5-1607, E5-1620, E5-1630, E5-1650, E5-1660, E5-1680, E5-2408L, E5-2418L, E5-2428L, E5-2438L, E5-2603, E5-2608L, E5-2608L, E5-2609, E5-2618L, E5-2620, E5-2623, E5-2628L, E5-2630, E5-2630L, E5-2637, E5-2640, E5-2643, E5-2648L, E5-2650, E5-2650L, E5-2658, E5-2660, E5-2667, E5-2670, E5-2680, E5-2683, E5-2685, E5-2687W, E5-2690, E5-2695, E5-2697, E5-2698, E5-2699, E5-4610, E5-4620, E5-4627, E5-4640, E5-4648, E5-4650, E5-4655, E5-4660, E5-4667, E5-4669	306F2	6F	Production	---	---	0x3C
Haswell Server EX	Intel® Xeon® Processor E7-4809V3, E7-4820V3, E7-4830V3, E7-4850V3, E7-8860V3, E7-8867V3, E7-8870V3, E7-8880LV3, E7-8880V3, E7-8890V3, E7-8891V3, E7-8893V3	306F4	80	Production	---	---	0x11
Haswell ULT	4th Generation Intel® Core™ Mobile Processor Family, Intel® Pentium® Mobile Processor Family, Intel® Celeron® Mobile Processor Family	40651	72	Production	---	---	0x23

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Haswell Xeon E3	Intel® Xeon® Processor E3-1220V3, E3-1225V3, E3-1230LV3, E3-1230V3, E3-1240V3, E3-1245V3, E3-1270V3, E3-1275LV3, E3-1275V3, E3-1280V3, E3-1285LV3, E3-1285V3	306C3	32	Production	---	---	0x24
Ivy Bridge	3rd Generation Intel® Core™ Mobile Processor Family, Intel® Pentium® Mobile Processor Family, and Intel® Celeron® Mobile Processor Family	306A9	12	Production	---	---	0x1F
Ivy Bridge Server E, EN, EP, EP4S	Intel® Xeon® Processor v2 E5-1428L, E5-1620, E5-1650, E5-1660, E5-2403, E5-2407, E5-2418L, E5-2420, E5-2428L, E5-2430, E5-2430L, E5-2440, E5-2448L, E5-2450, E5-2450L, E5-2470, E5-2603, E5-2609, E5-2618L, E5-2620, E5-2628L, E5-2630, E5-2630L, E5-2637, E5-2640, E5-2643, E5-2648L, E5-2650, E5-2650L, E5-2658, E5-2660, E5-2667, E5-2670, E5-2680, E5-2687W, E5-2690, E5-2695, E5-2697, E5-4603, E5-4607, E5-4610, E5-4620, E5-4624L, E5-4627, E5-4640, E5-4650, E5-4657L	306E4	ED	Production	---	---	0x42C
Ivy Bridge Server EX	E5-4610, E5-4620, E5-4624L, E5-4627, E5-4640, E5-4650, E5-4657L	306E7	ED	Production	---	---	0x713
Ivy Bridge Xeon E3	Intel® Core™ Processor Extreme Edition i7-4960X Intel® Core™ Processor i7-4820K, i7-4930K	306A9	12	Production	---	---	0x1F
Ivy Bridge E	Intel® Core™ Processor Extreme Edition i7-4960X Intel® Core™ Processor i7-4820K, i7-4930K	306E4	ED	Production	---	---	0x42C

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Jasper Forest	Intel® Celeron® Processor P1053 Intel® Xeon® Processor EC3528, EC3529, EC5509, EC5539, EC5549, LC3518, LC3528, LC5518, LC5528	106E4	09	Stopped	0x4	---	---
Kaby Lake H/S/X/G	7th Generation Intel® Core™ Processor Family	906E9	2A	Production	---	---	0x84
Kaby Lake Refresh U 4+2	8th Generation Intel® Core™ Mobile Processor Family	806EA	C0	Production	---	---	0x84
Kaby Lake U/Y, U23e	7th Generation Intel® Core™ Mobile Processors	806E9	C0	Production	---	---	0x84
Kaby Lake Xeon E3	Intel® Xeon® Processor v6 E3-1220, E3-1225, E3-1230, E3-1240, E3-1245, E3-1270, E3-1275, E3-1280	906E9	2A	Production	---	---	0x84
Knights Landing	Intel® Xeon® Phi™ Processor 72xx	50671	78	Production	---	---	0x1B6
Knights Mill	Intel® Xeon® Phi™ Processor Family	80650	08	Production	---	---	0x18
Lynnfield	Intel® Core™ Processor i7-860, 860S, 870, 870S, 875K, 880 Intel® Core™ Processor i5-750, 750S, 760	106E5	13	Production	---	---	0x09
Lynnfield Xeon	Intel® Xeon® Processor L3426 Intel® Xeon® Processor X3430, X3440, X3450, X3460, X3470, X3480	106E5	13	Production	---	---	0x09
Nehalem EP, Nehalem WS	Intel® Xeon® Processor E5502, E5503, E5504, E5506, E5507, E5520, E5530, E5540 Intel® Xeon® Processor L5506, L5508, L5518, L5520, L5530 Intel® Xeon® Processor W5580, W5590 Intel® Xeon® Processor X5550, X5560, X5570	106A5	03	Production	---	---	0x1C

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Nehalem EX	Intel® Xeon® Processor E6510, E6540, E7520, E7530, E7540, L7545, L7555, X6550, X7542, X7550, X7560	206E6	04	Production	---	---	0x0C
Penryn/QC	Intel® Core™2 Extreme Processor X9000, X9100 Intel® Core™2 Quad Processor Q9000, Q9100 Intel® Core™2 Duo Processor T6400, T6500, T6670, T8100, T8300, T9300, T9400, T9500, T9550, T9600, T9800, T9900, SU9300, SU9400, SU9600, SP9300, SP9400, SP9600, SL9380, SL9400, SL9600, SL9300, P7350, P7370, P7450, P7550, P7570, P8400, P8600, P8700, P8800, P9500, P9600, P9700 Intel® Core™2 Solo Processor SU3500, ULV SU3500, ULV SU3300 Intel® Pentium® Processor T4200, T4300, T4400, T4500 Intel® Celeron® Processor 900, 925, SU2300, T3100, T3300, T3500, ULV 763 Intel® Celeron® M Processor ULV 722, ULV 723, ULV 743	1067A	B1	Stopped	0xA0E	---	---
Sandy Bridge	Intel® Core™ i3-21xx/23xx-T/M/E/UE Processor, Intel® Core™ i5-23xx/24xx/25xx-T/S/M/K Processor, Intel® Core™ i7-2xxx-S/K/M/QM/LE/UE/QE Processor, Intel® Core™ i7-29xxXM Extreme Processor, Intel® Celeron® Desktop G4xx, G5xx Processor, Intel® Celeron® Mobile 8xx, B8xx Processor, Intel® Pentium® Desktop 350, G6xx, G6xxT, G8xx Processor, Intel® Pentium® Mobile 9xx, B9xx Processor	206A7	12	Production	---	---	0x2D

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Sandy Bridge Server EN/EP/EP4S	Intel® Xeon® Processor E5-2620, E5-2630, E5-2630L, E5-2640, E5-2650, E5-2650L, E5-2660, E5-2667, E5-2670, E5-2680, E5-2690	206D6	6D	Production	---	---	0x61C
Sandy Bridge Server EN/EP/EP4S	Intel® Xeon® Processor E5-1428L, E5-1620, E5-1650, E5-1660, E5-2403, E5-2407, E5-2418L, E5-2420, E5-2428L, E5-2430, E5-2430L, E5-2440, E5-2448L, E5-2450, E5-2450L, E5-2470, E5-2603, E5-2609, E5-2620, E5-2630, E5-2630L, E5-2637, E5-2640, E5-2643, E5-2648L, E5-2650, E5-2650L, E5-2658, E5-2660, E5-2665, E5-2667, E5-2670, E5-2680, E5-2687W, E5-2690, E5-4603, E5-4607, E5-4610, E5-4617, E5-4620, E5-4640, E5-4650, E5-4650L Intel® Pentium® Processor 1405	206D7	6D	Production	---	---	0x713
Sandy Bridge Xeon E3	Intel® Xeon® Processor E3-1200 Product Family	206A7	12	Production	---	---	0x2D
Skylake D, Bakerville	Intel® Xeon® Processor D-2123IT, D-2141I, D-2142IT, D-2143IT, D-2145NT, D-2146NT, D-2161I, D-2163IT, D-2166NT, D-2173IT, D-2177NT, D-2183IT, D-2187NT	50654	B7	Production	---	---	0x2000043
Skylake H/S	6th Generation Intel® Core™ Processor Family	506E3	36	Production	---	---***	0xC2***

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Skylake Server	Intel® Xeon® Bronze Processor 3104, 3106 Intel® Xeon® Gold Processor 5115, 5118, 5119T, 5120, 5120T, 5122, 6126, 6126F, 6126T, 6128, 6130, 6130F, 6130T, 6132, 6134, 6134M, 6136, 6138, 6138F, 6138T, 6140, 6140M, 6142, 6142F, 6142M, 6144, 6146, 6148, 6148F, 6150, 6152, 6154 Intel® Xeon® Platinum Processor 8153, 8156, 8158, 8160, 8160F, 8160M, 8160T, 8164, 8168, 8170, 8170M, 8176, 8176F, 8176M, 8180, 8180M Intel® Xeon® Silver Processor 4108, 4109T, 4110, 4112, 4114, 4114T, 4116, 4116T	50654	B7	Production	---	---	0x2000043
Skylake U/Y	6th Generation Intel® Core™ m Processors	406E3	C0	Production	---	---***	0xC2**
Skylake U23e	6th Generation Intel® Core™ m Processors	406E3	C0	Production	---	---***	0xC2**
Skylake W	Intel® Xeon® Processor W-2123, W-2125, W-2133, W-2135, W-2145, W-2155, W-2195, W-2175	50654	B7	Production	---	---	0x2000043
Skylake X, Basin Falls	Intel® Core™ i9 79xxX, 78xxX	50654	B7	Production	---	---	0x2000043
Skylake Xeon E3	Intel® Xeon® Processor v5 E3-1220, E3-1225, E3-1230, E3-1235L, E3-1240, E3-1240L, E3-1245, E3-1260L, E3-1270, E3-1275, E3-1280	506E3	36	Production	---	---***	0xC2**
SoFIA 3G ES2.1 and Granite 4	Intel® Atom® x3-C3130 Processor	506D1	02	Production	---	---	00000103

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Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
SoFIA 3GR	Intel® Atom® Processor x3-C3200RK, x3-C3230RK	506D1	02	Stopped	---	---	---
Tangier (SLM)	Intel® Atom® Processor Z34XX	406A8	01	Production	---	---	00000833
Tangier (SLM)	Intel® Atom® Processor Z34XX	406A9	01	Production	---	---	00000833
Valleyview, Bay Trail I (B2, B3 step)	Intel® Atom® Processor E3800 Product Family	30673	01	Production	---	---	0000326
Valleyview, Bay Trail I (D0, D1 step) Valleyview, Bay Trail M/D (D1 step)	Intel® Atom® Processor E3800 Product Family, Intel® Celeron® Processor N2807, N2930, Intel® Pentium® Processor J1800, J1900	30679	0F (Was 01 for D0-only MCUs)	Production	---	---	0000090A
Valleyview, Bay Trail M/D (B2, B3 step)	Intel® Celeron® Processor Jxxxx & Nxxxx, Intel® Pentium® Processor Jxxxx & Nxxxx	30673	0C	Production	---	---	0000326
Valleyview, Bay Trail M/D (C0 step)	Intel® Celeron® Processor Jxxxx & Nxxxx Intel® Pentium® Processor Jxxxx & Nxxxx	30678	0C	Production	---	---	00000836
Valleyview, Bay Trail T (B2, B3 step)	Intel® Atom® Processor Z3600 & Z3700 Series	30673	02	Production	---	---	0000326
Valleyview, Bay Trail T (C0 step)	Intel® Atom® Processor Z3600 & Z3700 Series	30678	02	Production	---	---	00000836

MICROCODE UPDATE GUIDANCE

Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
Westmere EP, WS	Intel® Xeon® Processor E5603, E5606, E5607, E5620, E5630, E5640, E5645, E5649 Intel® Xeon® Processor L5609, L5618, L5630, L5638, L5640 Intel® Xeon® Processor W3670, W3680 Intel® Xeon® Processor X5647, X5650, X5660, X5667, X5670, X5672, X5675, X5677, X5680, X5687, X5690, X5698	206C2	03	Production	---	---	0x1E
Westmere EX (EGL, WSM)	Intel® Xeon® Processor E7-2803, 2820, 2830, 2850, 2860, 2870, 4807, 4820, 4830, 4850, 4860, 4870, 8830, 8837, 8850, 8860, 8867L, 8870	206F2	05	Production	---	---	0x3A
Wolfdale C0, M0	Intel® Core™ 2 Duo Processor E7200, E7300, E8190, E8200, E8300, E8400, E8500	10676	91	Stopped	0x612	---	---
Wolfdale E0, R0	Intel® Core™ 2 Duo Processor E7400, E7500, E8400, E8500, E8600 Intel® Pentium® Processor E5200, E5300, E5400, E5500, E5700, E5800, E6300, E6500, E6500K, E6600, E6700, E6800 Intel® Celeron® Processor E3200, E3300, E3400, E3500	1067A	B1	Stopped	0xA0E	---	---
Wolfdale Xeon C0	Intel® Xeon® Processor E3110, E5205, E5220, L5240, X5260, X5272	10676	04	Stopped	0x612	---	---
Wolfdale Xeon E0	Intel® Xeon® Processor E3110, E3120, E5205, E5220, L3110, L5215, L5240, X5260, X5270, X5272	1067A	44	Stopped	0xA0E	---	---

MICROCODE UPDATE GUIDANCE

Product Names	Public Name	CPUID	Platform ID	Production Status	Pre-Mitigation Production MCU	STOP deploying these MCU revs	New Production MCU Rev
XGold 7272	Intel® XMM™ 7272 Modem	60650	01	Production	---	---	00000015
Yorkfield	Intel® Core™2 Extreme Processor QX9650, QX9770, QX9775 Intel® Core™2 Quad Processor Q8200, Q8200S, Q8400, Q8400S, Q9300, Q9400, Q9400S, Q9450, Q9500, Q9505, Q9505S, Q9550, Q9550S, Q9650	10677	10	Stopped	0x70D	---	---
Yorkfield Xeon	Intel® Xeon® Processor L3360, X3320, X3330, X3350, X3360, X3370, X3380	10677	10	Stopped	0x70D	---	---

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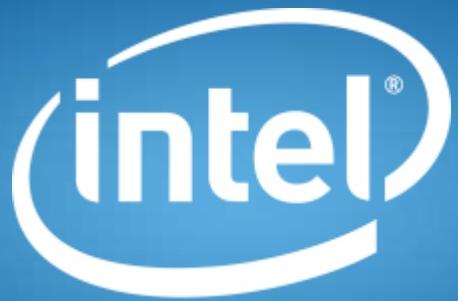
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